

Marine Corps Base Hawaii

Hangar Bay Lighting Improvements

Bill Nutting Energy Manager

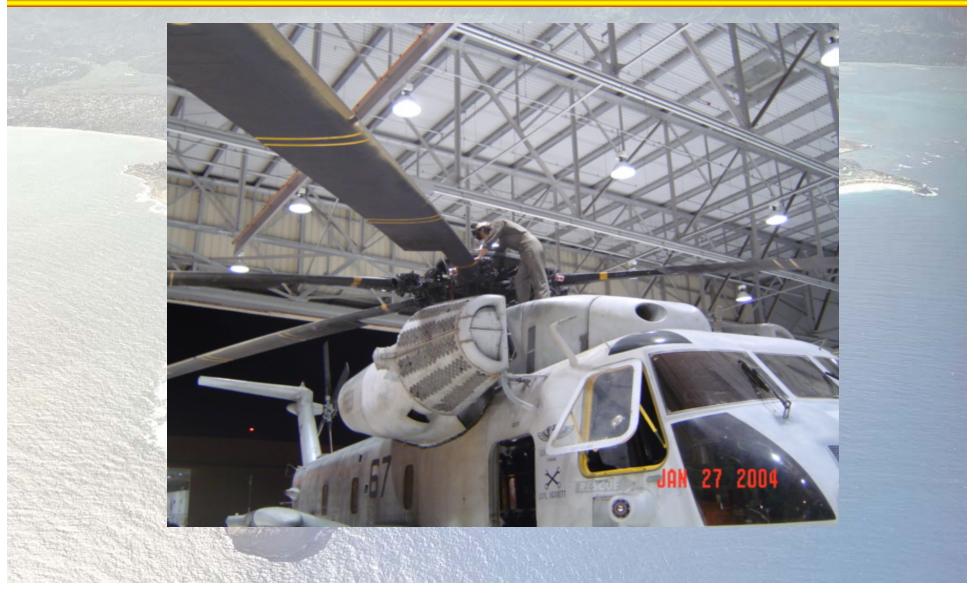


- ➤ Before: Hangars 101 105 each had 72 1000 Watt Metal Halide light fixtures; many were overheating and exploding
- ➤ After: Each hangar has 122 400 Watt dual reflector "Stingray" MH light fixtures
- **➣Installed Daylighting and Timer Controls**
- **≫**Results:
 - 104 KW reduction in demand
 - 1,286,000 KWh/Year (50%) reduction in energy use
 - \$134,000 Annual cost savings
 - \$41,475 rebate from HECO
 - Simple Payback 4.5 years

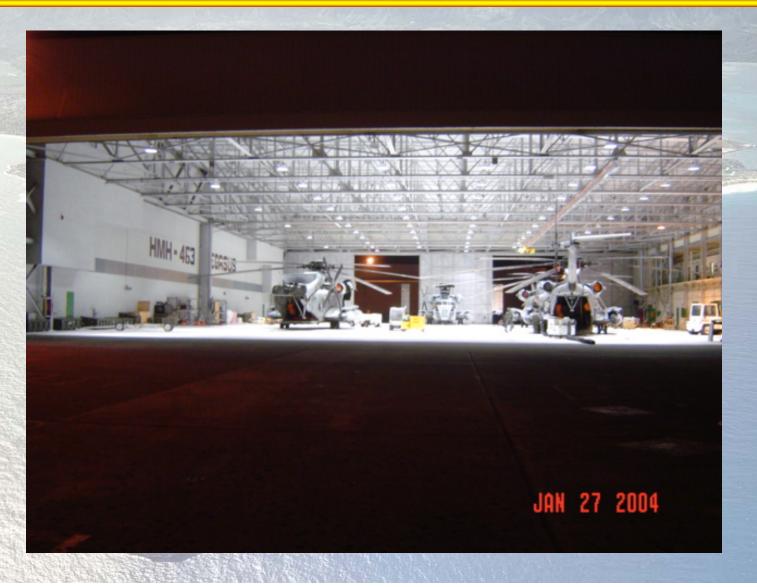








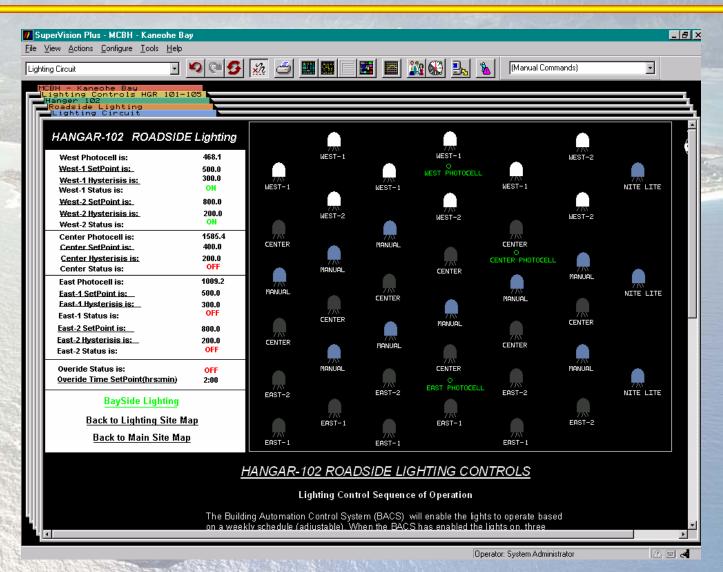














≫Recognition

- Commander in Chief's Special Recognition for Installation Excellence – May 2003
- Award of Merit
 International Illumination Design Award for Energy and Environmental Design
- Nominated for 2004 Federal Energy and Water Management Award
- Nominated for HECO 2004 Energy Efficiency Award



≫Participants

- Project Manager Bill Nutting (MCBH)
- Design Bill Nutting (MCBH) and Jim Thomas (Stingray Lighting)
- Vendor Reps Tom Brennan (ECO-Lite)
 and Jim Thomas (Stingray Lighting)
- Contractor/Installer MCBH Electricians